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December 2016 Edition

December Meeting Minutes

Russ Ramirez, K0WFS called the meeting to order at 1:00 PM. 23 were in attendance.

Introductions made around the table.

Meeting minutes from October 2016 were approved.

Old Business:

- Jim, AT0O, reminded the group that the Minnetonka club meets the second Monday of every month at 10 AM. All are welcome
- Russ, K0WFS, reminded everyone about the bill before congress right now.
- Paul, N0TYE, reports that there is \$2278.40 in the checking account.
 All bills to date have been paid.

New Business:

- Elections will be held in January. The VP, Treasurer and Officer at Large positions need to be filled. Anyone interested should contact Russ.
- The next Build-a-Thon will be held in March. There was some discussion about building the Vector Network Analyzer offered by F4GPH. Russ

will post details of this kit on the reflector.

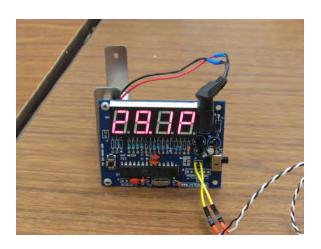
Show & Tell

Chuck Stroud, KA8HDE, brought in an older ARRL handbook for anyone who might like it.



John Krawczak, KJ0P, brought the SparkFun component analyzer kit he built at last month's build-a-thon. He gave us a demonstration of the unit and reports that it is quite accurate. He also brought in a Ramsey Ghost Finder kit which measures magnetic fields via a hall effect device and also measures electrical fields.







Steve Ulrich, NW0C, brought in a code oscillator he recently built. It uses a discreet multi-vibrator circuit rather than the more common 555 timer chip. He is hoping to learn how to use his Vibroplex Bug now.



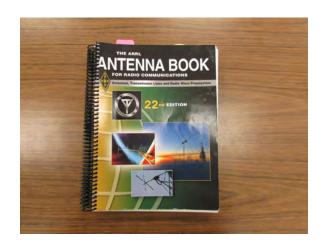
Craig Siegenthaler, W7BGO, brought in his new Elecraft KX2. He also showed us the modified Motorola microphone he is using with the unit along with a modification he made to the speaker. He reports that the radio works well.





Mike Burk, KD0JXE, showed us a couple of reference books he had spiral bound at Kinkos. He reports that this makes them much easier to use. There was also a nice discussion regarding the book: *Build Your Own Transistor Radios*.





Mert Nellis, W0UFO, showed us a signal generator he recently aquired from China for \$50. He reports that it works quite well. Frequency output up to 25 MHz.





December Presentation

Russ Ramirez, K0WES, spoke on WSPR/Weak Signal Propogation Reporter. Russ described the technical details of how this beaconing system works and what you needed to do to get one set up. He gave us a good description and explaination of how the signal is composed, the forward error correction, timing, etc.

Two things are critical with this protocol. Accurate time and frequency stability. A very interesing presentation!!



Respectfully submitted, Steve, NW0C

Club Officers:

President: Russ Ramirez/K0WFS
Vice Pres: Jeremy Mooney/KC0LDI
Secretary: Steve Ulrich/NW0C
Treasurer: Paul Bushouse/N0TYE

At Large: Craig Johnson/AA0ZZ

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